



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts																				
PO No	Supplier	Line Item No	Line Rel No	Term	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO0441804	MES002-VC	1	1	Nel 60	MSTEEL-A2-B0.500X1.250	AISI A2 Tool Steel Bar. 0.500 X 1.250 : MATERIAL: AISI A2 STEEL, ANNEALED CONDITION AS PER ASTM A881 receive ft				98	11/28/2018	98	Stock	11/28/2018	\$ 15.99 / ft	0	\$1,571.66	Metaux Solutions		
			2		M4130NBO.5000X03.000	4130 Bar 0.500 X 3.00 : MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528 CUT TO SIZE 14" receive ft				47			Stock	11/28/2018	\$ 23.33 / ft	0	\$1,088.74	Metaux Solutions		
Total:												145							\$1,998.02	

Plex 11/28/2018 1:12 PM *dart.Tollis.Andrew*



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041804

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041804
PO Date: 11/21/18
Due Date: 11/28/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

E-MAILED
NOV 23 2018

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		MSTEEL-A2-B0.500X1.250		AISI A2 Tool Steel Bar, 0.500 X 1.250 : MATERIAL: AISI A2 STEEL, ANNEALED CONDITION AS PER ASTM A681 receive ft	Firmed	-	11/28/18	96 ft	98.39	0 ft	\$15.99/ft	\$1,535.04
2		M4130NB0.500X03.000		4130 Bar 0.500 X 3.00 : MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528 CUT TO SIZE 14" receive ft	Firmed	-	11/28/18	46.667 ft	46.667	0 ft	\$23.33/ft	\$1,088.74

Line Item Note 40 pcs cut at 14"

Grand Total: \$2,623.78

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaero.com for further explanation.

CL
B

Plex 11/21/18 3:14 PM dart.lavoie.chantal

Shipping Order

27/11/2018

METAUX SOLUTIONS INC
 2625 BOUL JACQUES CARTIER EST
 LONGUEUIL, QUEBEC
 J4N 1L7 Tel.: 450 641-3330

Order : 140022
 Reference : 41804
 Ship : PICK UP / PICK UP

Customer: 6323336

Ship To

DART AEROSPACE LTD
 1270, ABERDEEN STREET
 HAWKESBURY, ONTARIO
 K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delive	B/O Qty
TP12A2	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N A-2 PLATE TFA 1/2" THICK 12 x 1.250" x 36" 23 x 1.250" x 32.5" -0+.125" ht; # 94648 AK	240	240	0
MP124130N	4130 NORM PLATE .500 THICK AMS 6345 40 x 3" x 14" ht; 1961550 AK	11.66	11.66	0

ship journey collect

jp

15x36x9 510 lbs

Ref. :

Shipping : _____

Package No. : _____

Merchandise Received: _____



Métaux Solutions

L'alliage de qualité et de rapidité !

2625, Boul. Jacques-Cartier Est
Longueuil (Québec) J4N 1L7

info@metauxsolutions.com
T 450 641-3330
Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

28 nov. 2018

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

ITEM	DESCRIPTION	WEIGHT	PRICE	AMOUNT	DISCOUNT	TOTAL
A2-05000	1/2 X 33 7/16" X 126 3/16" A2 PLATE	1.00	628.00		0.00	

ASTM A-681-08

DFARS Compliant

PLATE# : 425126A

Country of Origin USA

C -	1.0000	Mn -	0.6800	P -	0.0260	S -	0.0020	Si -	0.3600	Ni -	0.2500
Cr -	5.0000	Mo -	1.0200	Cu -	0.0800	V -	0.3300	W -	0.0800		

PM HEAT#:

94648

BHN

230.00

ITEM 1: 12 X 1.250" X 39"
23 X 1.250" X 32.5"

COMMANDE : 140022

REF : 41804

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M STEEL - A2 - 80.500x1.250
 DATE: 18/11/28

PO / BATCH NO.: P0041804/5132658

MATERIAL CERT REC'D: Ks
 QUANTITY RECEIVED: 98.29 ft
 QUANTITY INSPECTED: 98.29 ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500"
 THICKNESS RECEIVED: 0.500"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS	
SURFACE DAMAGE	Y (N)		
CORRECT FINISH	Y (Y) N		
CORROSION	Y (N)		
CORRECT GRAIN DIRECTION	Y (Y) N		
CORRECT MATERIAL PER M-DRAWING	Y (Y) N	ASTM A681	
CORRECT THICKNESS	Y (Y) N		
PHOTO REQUIRED	Y (N)		
CORRECT REF # TO LINK CERT	Y (Y) N	H17.94648	
CORRECT MATERIAL IDENTIFICATION	Y (Y) N		
CORRECT M# ON THE MATERIAL	Y (Y) N		
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)		
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)		

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)		
INSPECTED BY: <u>DAS</u> <u>61</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>18/11/28</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

NUCOR STEEL

4537 S. NUCOR ROAD; CRAWFORDSVILLE, IN 47933

REPORT OF TESTS

ATIN:	DATE: 1/20/15
FAX:	
SOLD TO:	JSTOMER ORDER # 081414MC
SIZE: 0.500" by 36" steel sheet	PRODUCT: HRPO light oil FINE GRAIN AIRCRAFT QUALITY 4130 AMS 6345 Rev C ASTM-A 506 ASTM-A-635 AMS 2301 Rev J [successor to MIL-S-18729 COND N.] NORMALIZED OR OTHERWISE HEAT TREATED

AMS 6345

COIL #	HEAT #	YIELD	TENSILE	ELONG
1961550	248571-06	81.5 ksi	115 ksi	20%

TEST	RESULT	
*Average austenite grain size	#8	Pass
Decarburization (P/F)		Pass
*Bend Test (P/F)		Pass
*Response to Heat Treatment (P/F)	45 HRC	Pass
*AMS 2301 Quality Freq/Sév (P/F)	0/0	Pass

*These tests performed by outside lab, ISO 17025 certified.

HEAT #	C	Mn	P	S	Al	Si	N	Cr	Ni	Cu	Mo
248571	0.287	0.55	0.006	0.000	0.028	0.208	0.007	0.860	0.017	0.043	0.165

WE HEREBY CERTIFY THE ABOVE
IS CORRECT AS CONTAINED IN
THE RECORDS OF THE CORPORATION.

Melted and Manufactured in the USA



Cold Mill Metallurgist

QF-0200, 10/17/05

PURCHASE MATERIAL:

AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

PART NUMBER:

M4130N-B | T.TTT | X | WW.WWW |
THICK | WIDTH

WHERE T.TTT = THICKNESS (IN INCHES)
WW.WWW = WIDTH (IN INCHES)

EG. 0.5" X 3.0" BAR = M4130N-B0.500X03.000

RELEASE
08.07.09/MW

B	ADD AMS 6345	PH	08.05.05
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>AS</i>	DART AEROSPACE LTD	
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>IP</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>N/A</i>	M4130N-B	SHEET 1 OF 1
APPROVED	<i>MJ</i>	TITLE	SCALE
DE APPR.	<i>MM</i>	4130 BAR	NTS
DATE	08.05.05	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER FIRM WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NBO.500x03.000
 DATE: 18/11/28

PO / BATCH NO.: P0041804/S132661

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 46.667
 QUANTITY INSPECTED: 46.667
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500"
 THICKNESS RECEIVED: 0.500"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AMS 6345
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	H1: 1961550
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)		
INSPECTED BY: <u>DAS</u> <u>61</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>18/11/28</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in